

欧州研究協力・モビリティのWHY、 WHAT & HOW EURAXESS Links Japan

RA 協議会第1年次大会
1-2 September 2015, Nagano



Matthieu PY, PhD
EURAXESS Links Japan
Country Representative

① **Why: international cooperation?**
Why: researcher mobility?
Why: Europe?

② **What: European programmes for research?**

③ **How (&When): search & find relevant information
for me?**

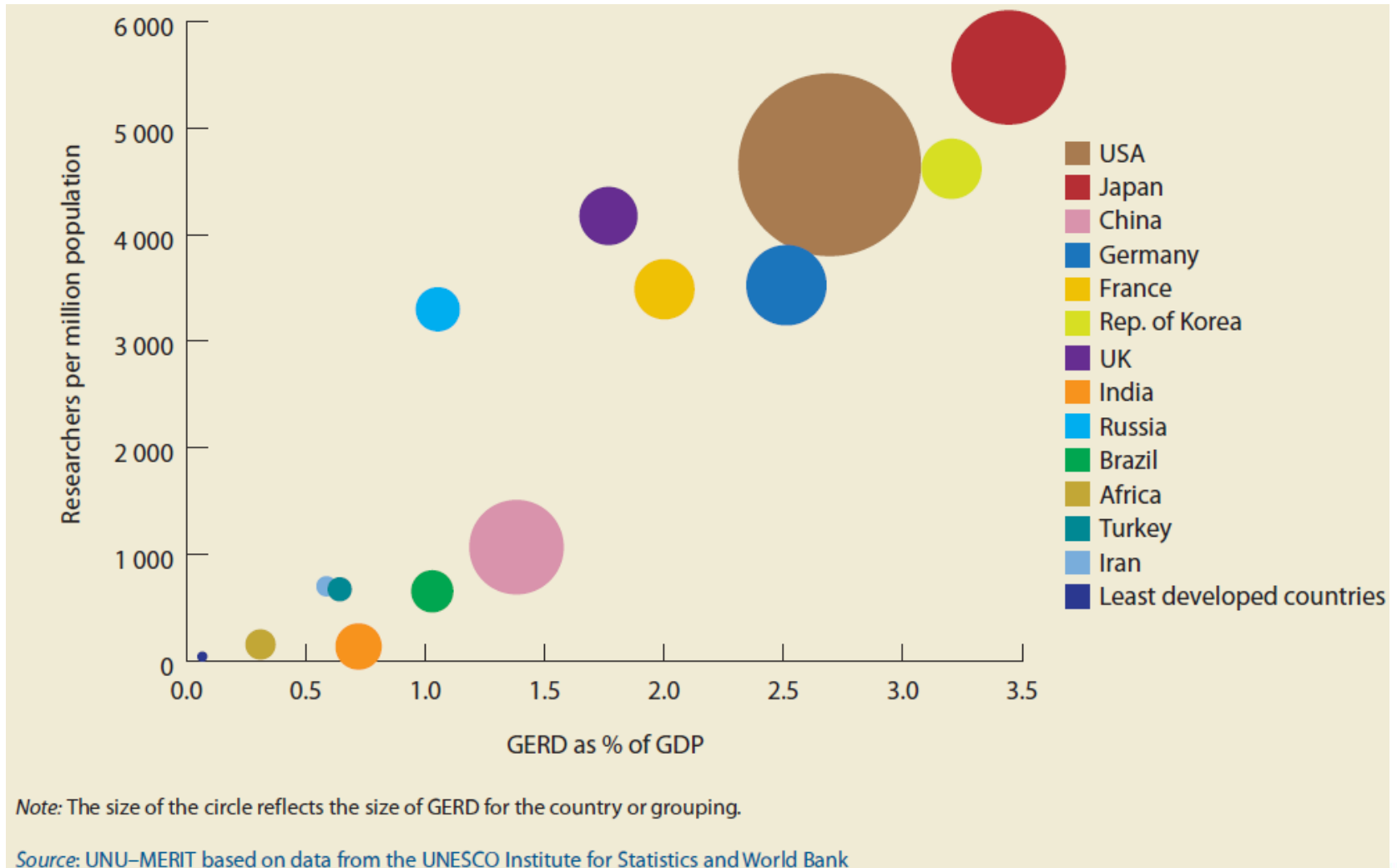
Need for international mobility / cooperation?

- **To do better research!**
- **To have better careers!**
- **To build better research teams!**

→ Today's presentation:

→ EURAXESS Links Japan support to researchers in achieving these goals

Japan specifics: Important means for R&D



¹ Public R&D expenditure: JPY 3,626.4 billion (EUR 26.5 billion) [source: [JST](#), [iMOF](#)]

² [Sources: MEXT [White paper on S&T 2006](#), Nikkan Kogyo Shimibun 25/07/2014]

³ [Source: [OECD](#) 2011]

Japan specifics: Results? Somehow mixed

- Japan ranks first in numbers of granted patents but...¹
- R&D budget is stable or slightly declining, number of researchers (especially young ones) is declining
- Share of most cited publications is low and declining²

¹ [source: [WPO](#)]

² Japan's share of highly cited publications is below the world average, even though it is one of the most important contributors in terms of publications [Source: [THE](#)]

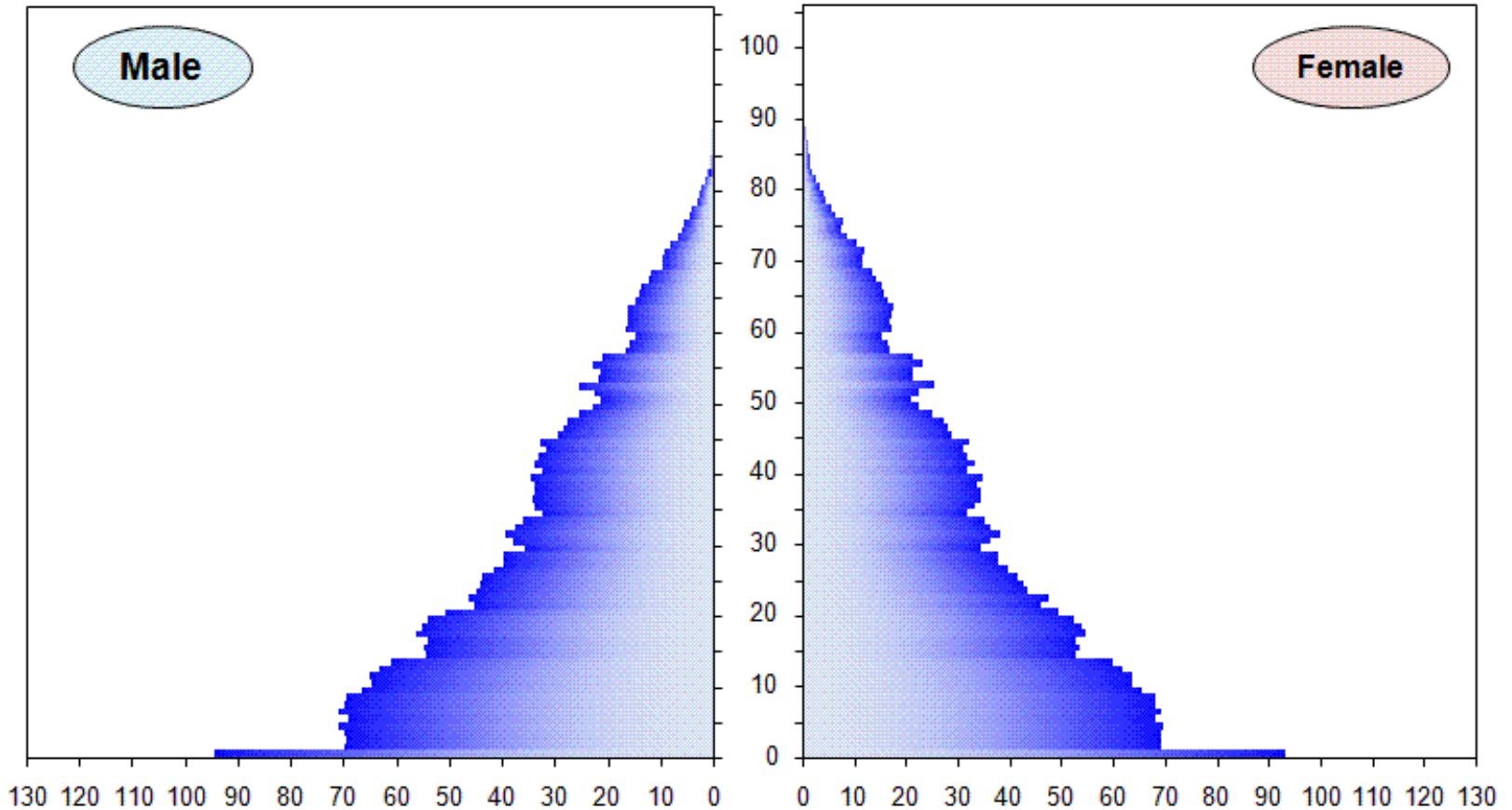
Japan specifics: Results? Somehow mixed

全分野	2000 - 2002年 (PY) (平均)			全分野	2010 - 2012年 (PY) (平均)		
	Top10%補正論文数				Top10%補正論文数		
国・地域名	整数カウント			国・地域名	整数カウント		
	論文数	シェア	順位		論文数	シェア	順位
米国	36,358	48.4	1	米国	48,801	41.3	1
英国	8,531	11.4	2	中国	15,575	13.2	2
ドイツ	7,563	10.1	3	英国	14,081	11.9	3
日本	5,610	7.5	4	ドイツ	13,254	11.2	4
フランス	5,300	7.1	5	フランス	8,740	7.4	5
カナダ	4,041	5.4	6	カナダ	7,302	6.2	6
イタリア	3,360	4.5	7	イタリア	7,020	5.9	7
オランダ	2,736	3.6	8	日本	6,431	5.4	8
オーストラリア	2,403	3.2	9	スペイン	5,995	5.1	9
中国	2,360	3.1	10	オーストラリア	5,684	4.8	10
スイス	2,238	3.0	11	オランダ	5,557	4.7	11
スペイン	2,183	2.9	12	スイス	4,514	3.8	12
スウェーデン	1,923	2.6	13	韓国	3,566	3.0	13
ベルギー	1,239	1.6	14	スウェーデン	3,069	2.6	14
韓国	1,201	1.6	15	ベルギー	2,810	2.4	15

x 2

Why? Multiple reasons...

1920



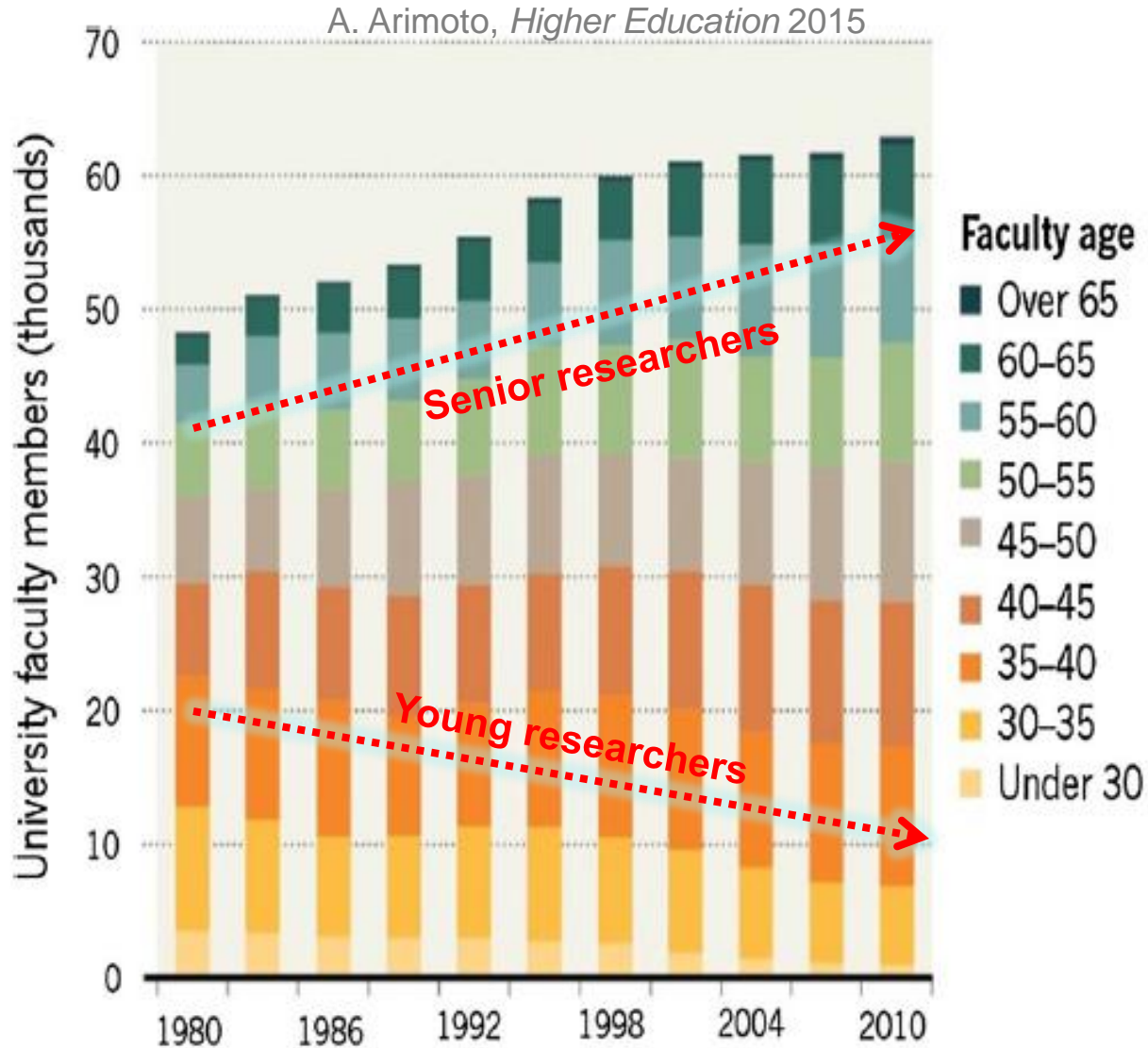
Population
(10,000)

 National Institute of Population and Social Security Research

Sources: Census (1920-2010) and "Population Projections for Japan:2011-2060"(2015-2060)



Why? Multiple reasons...

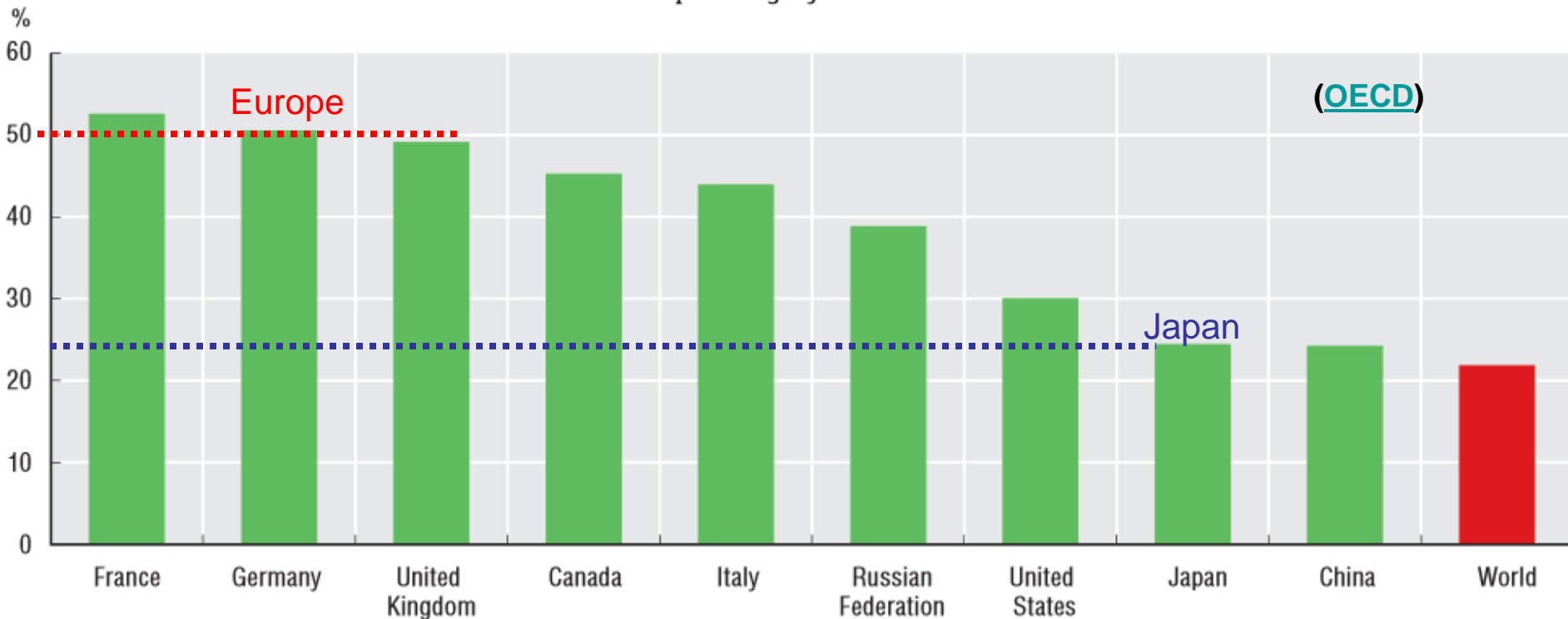



Japan specifics: margin of progress to internationalise

1) Research cooperation

Share of internationally co-authored scientific articles, 2007

As a percentage of total articles



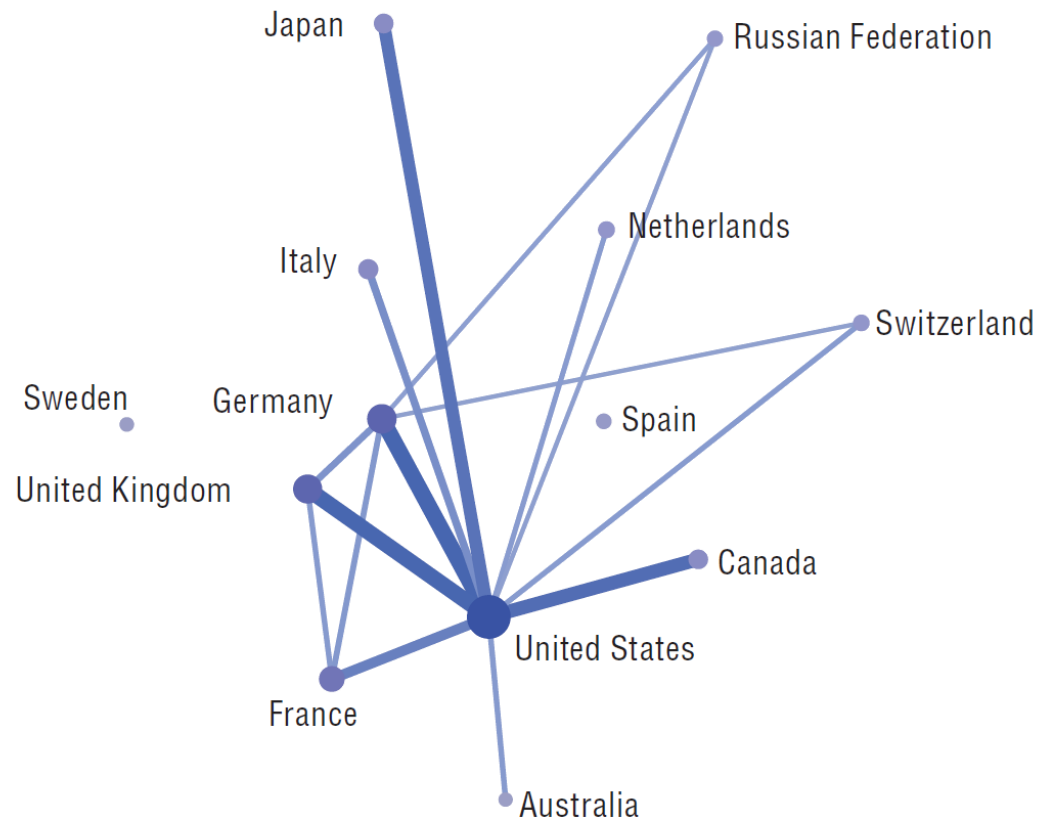
StatLink  <http://dx.doi.org/10.1787/745766770745>

Japan specifics: margin of progress to internationalise

1) Research cooperation

SIZE OF BUBBLE = Number of internationally co-authored scientific publications
RELATIVE POSITION & LINK WIDTH = Strength of cooperation

1998

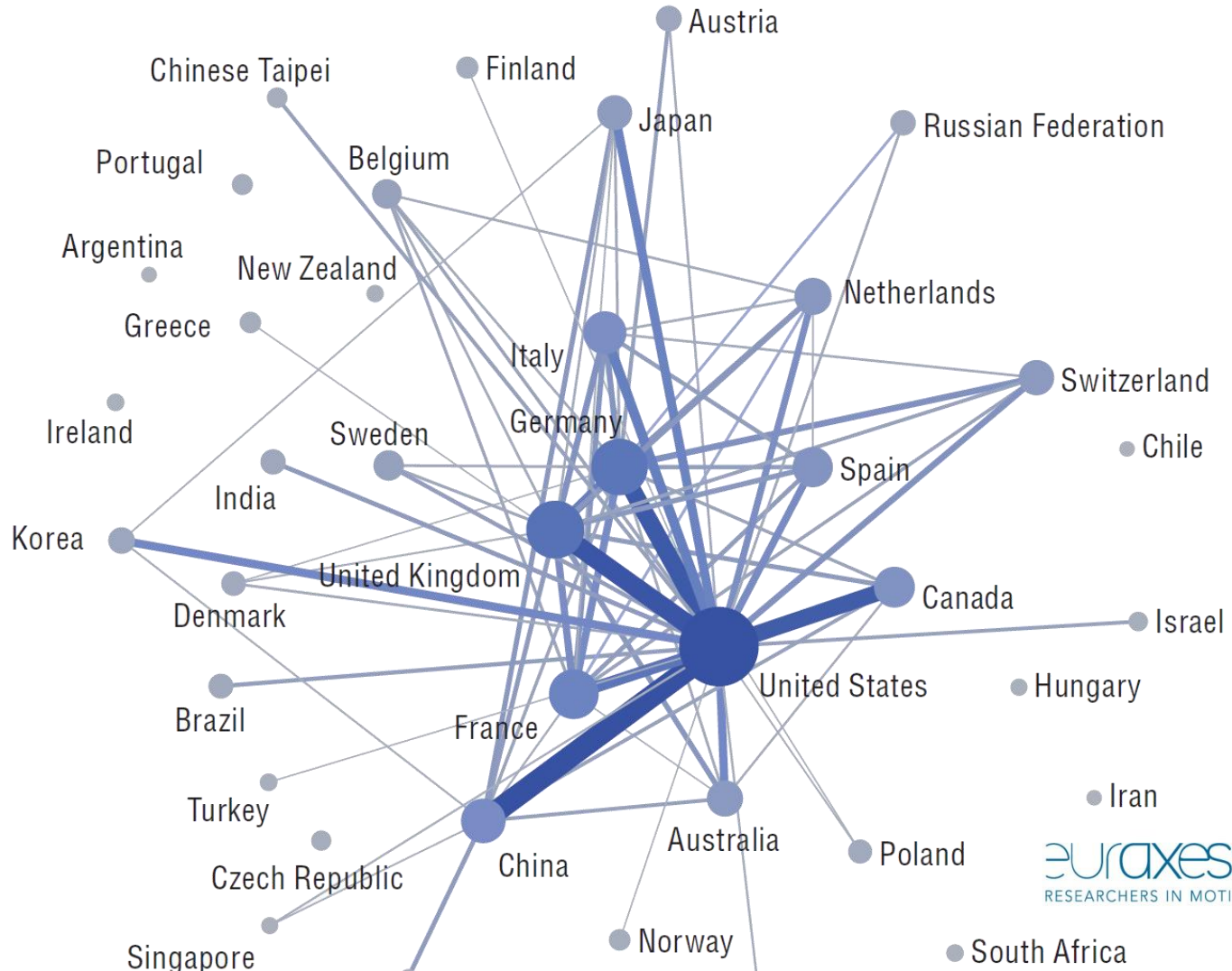


Japan specifics: margin of progress to internationalise

1) Research cooperation

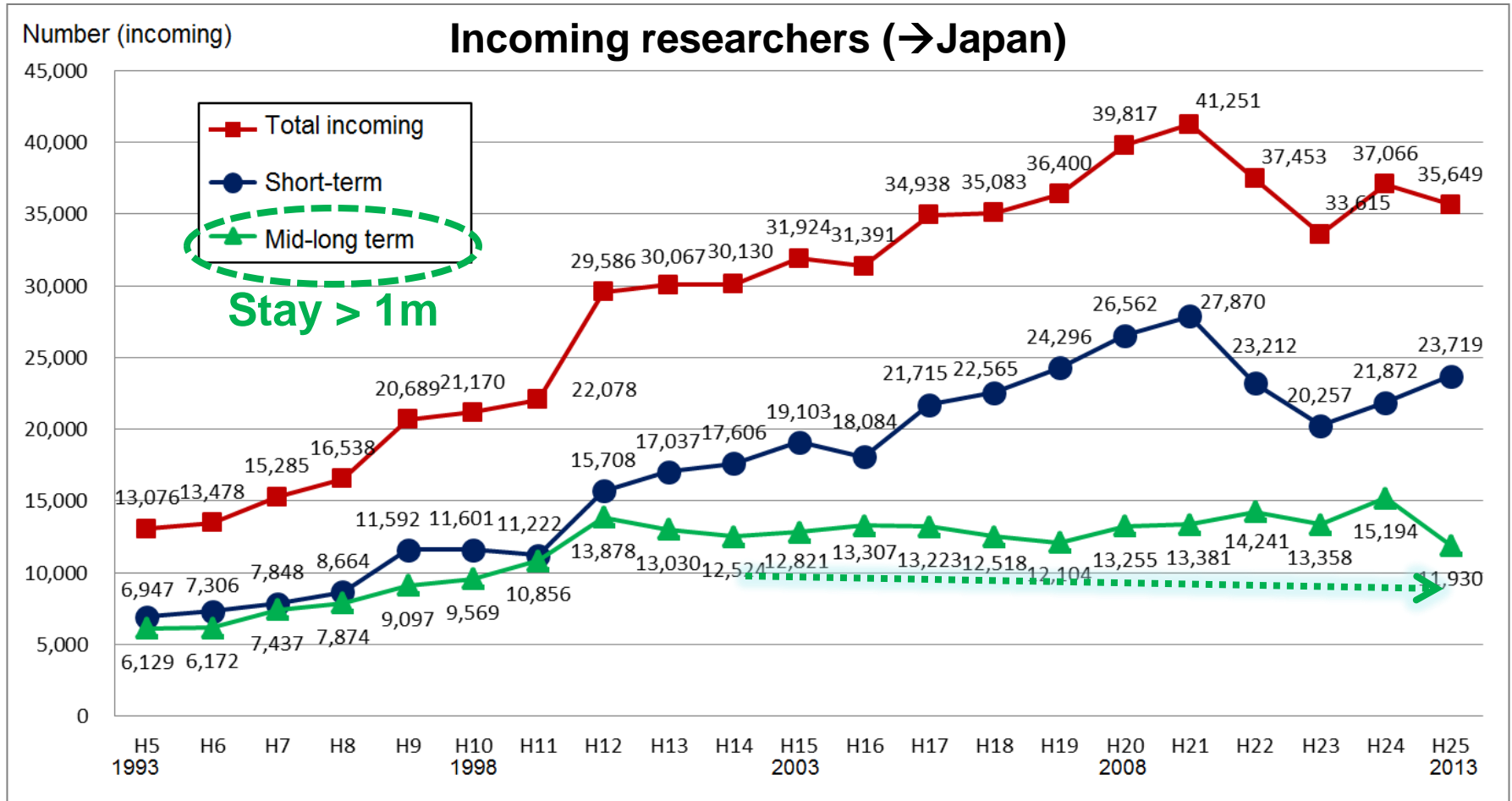
SIZE OF BUBBLE = Number of internationally co-authored scientific publications
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2011



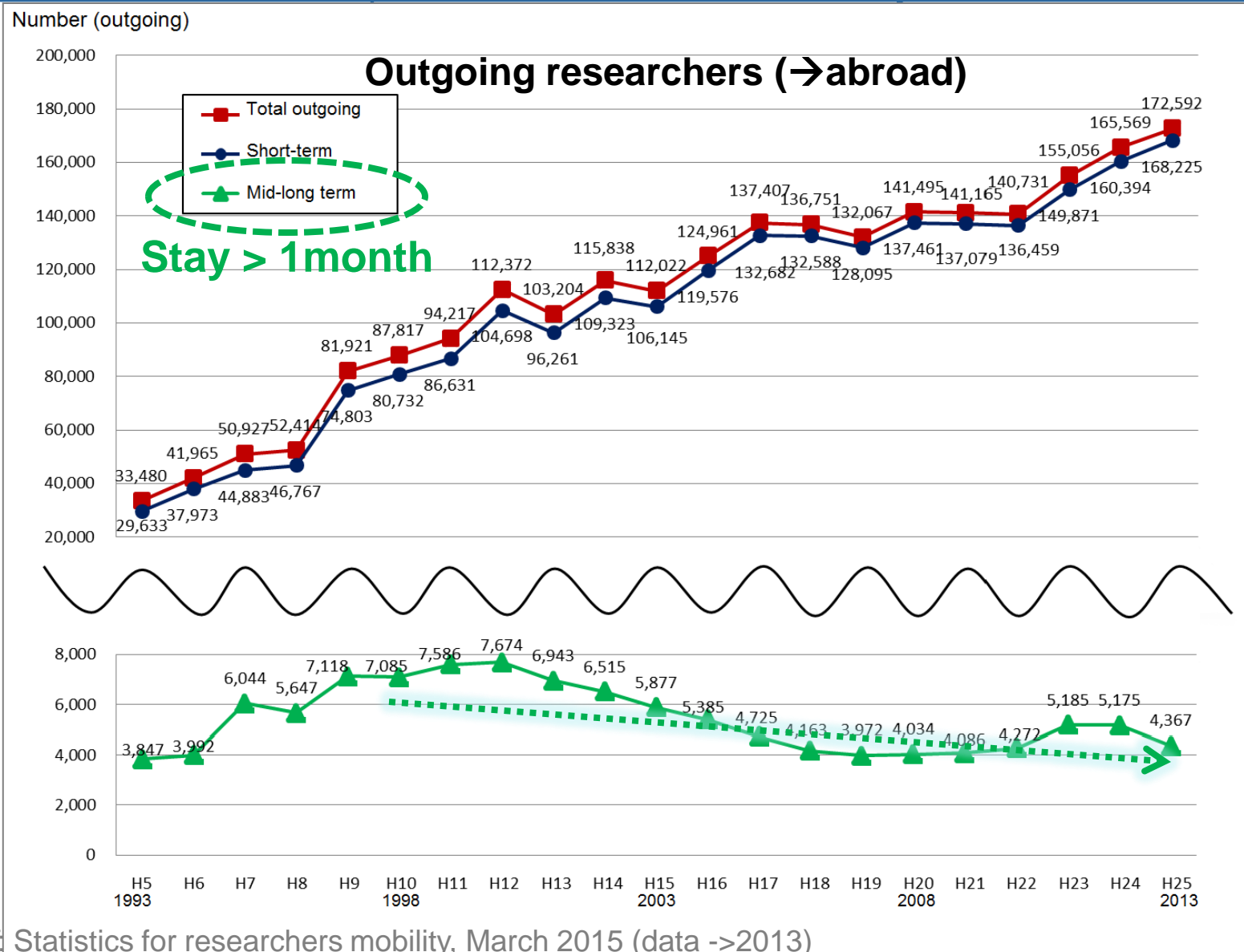
Japan specifics: margin of progress to internationalise

2) Researchers mobility

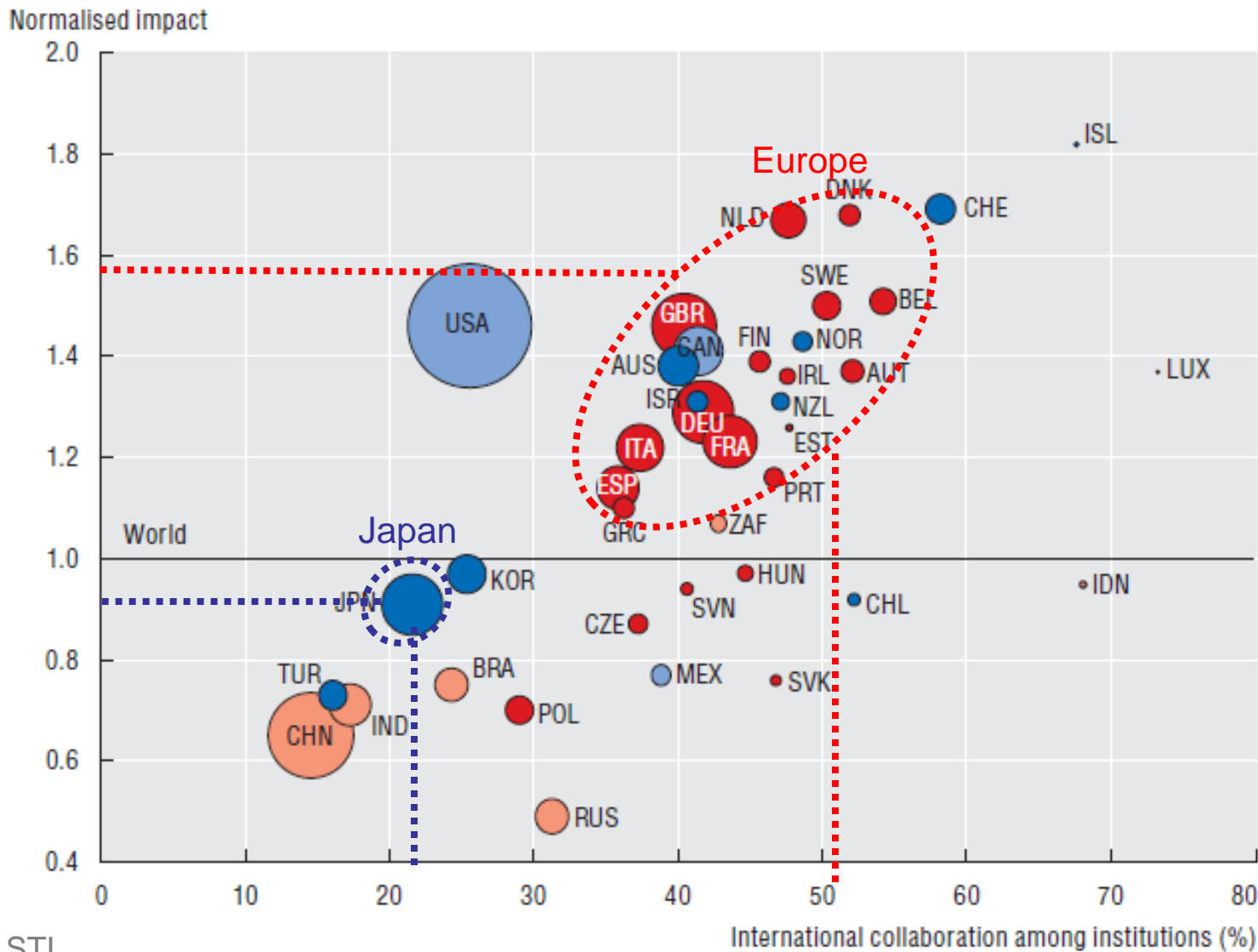


Japan specifics: margin of progress to internationalise

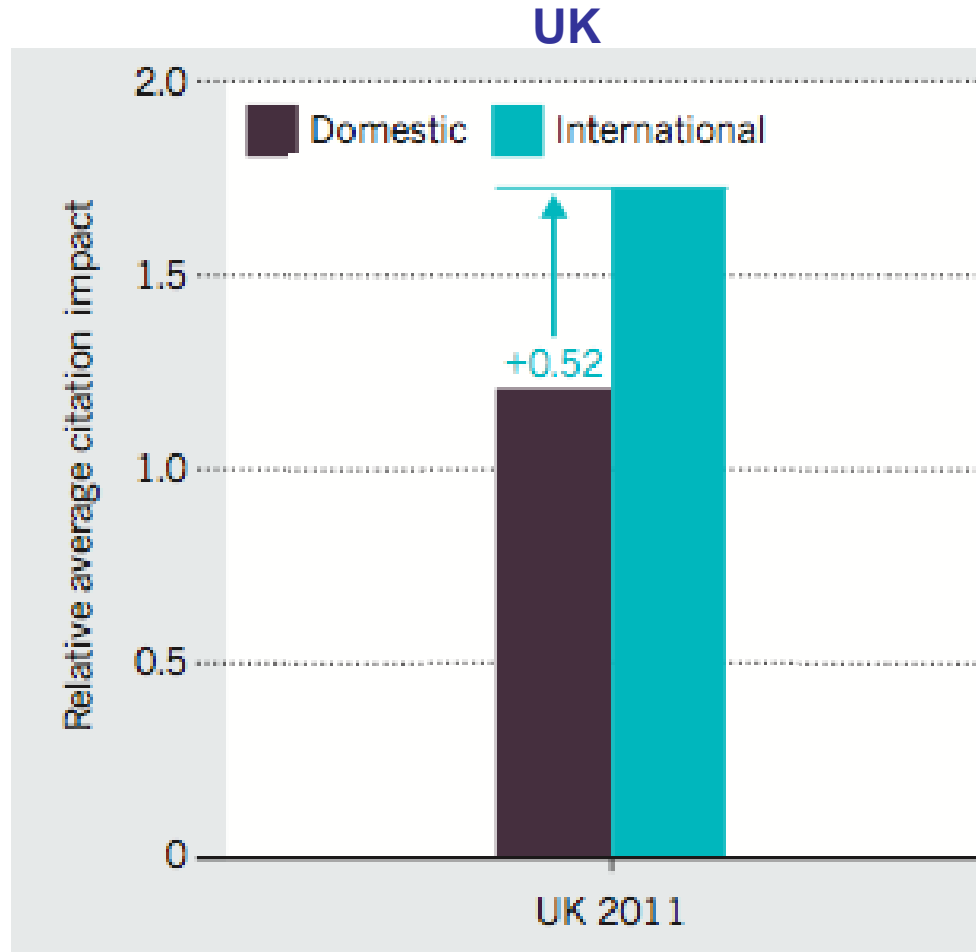
2) Researchers mobility



Why Internationalisation matters? Impact & better research



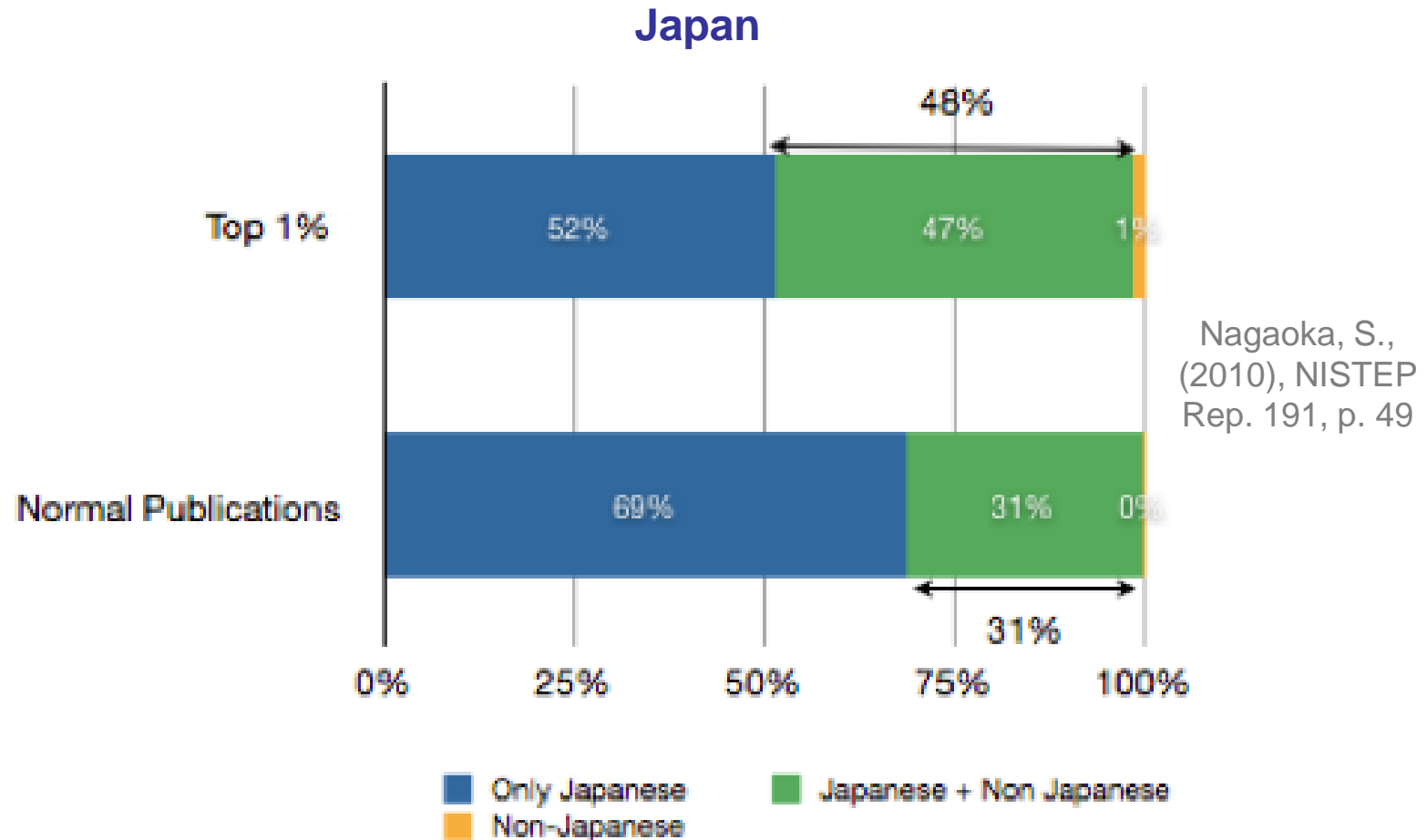
Why Internationalisation matters? Impact & better research



Adams, J., (2013),
Nature, Vol. 497,
pp. 557-560

→ International co-authorship increases citations

Why Internationalisation matters? Impact & better research



→ Team diversity helps producing top cited papers

Why Europe?

- **Europe of research and STI has arguments:**
 - **Excellence:**
 - Programmes (H2020, ERC, MSCA, National...)
 - Infrastructures
 - Human Resources (researchers!)
 - **Diversity and openness:**
 - Member States, associated countries as entry doors for EU
 - Open competition, open calls
 - **Cultural resemblance:**
 - Consensus within Europe
 - Research of **mutual benefit**
- **But:** multiplicity of offers, too much information, lack of visibility?
→ Points we'll address today!

① **Why: international cooperation?**
Why: researcher mobility?
Why: Europe?

② **What: European programmes for research?**

③ **How: search & find relevant information for me?**

Europe and its programmes for research

The European Union

500 million people - 28 countries - a single market*



- 7% of the World's population
- 24% of world expenditure on research
- 32% of high-impact publications
- 32% of patent applications

Member states of the European Union
Candidate and potential candidate countries

*Free movement of people, goods, services and capital

Europe and its programmes for research

Horizon 2020

A single programme

- **Coupling research with innovation:** 'from lab to market'
- **Focus on societal challenges:** health, clean energy, transport, etc.
- **Open to participation:** companies, universities, institutes in EU and beyond

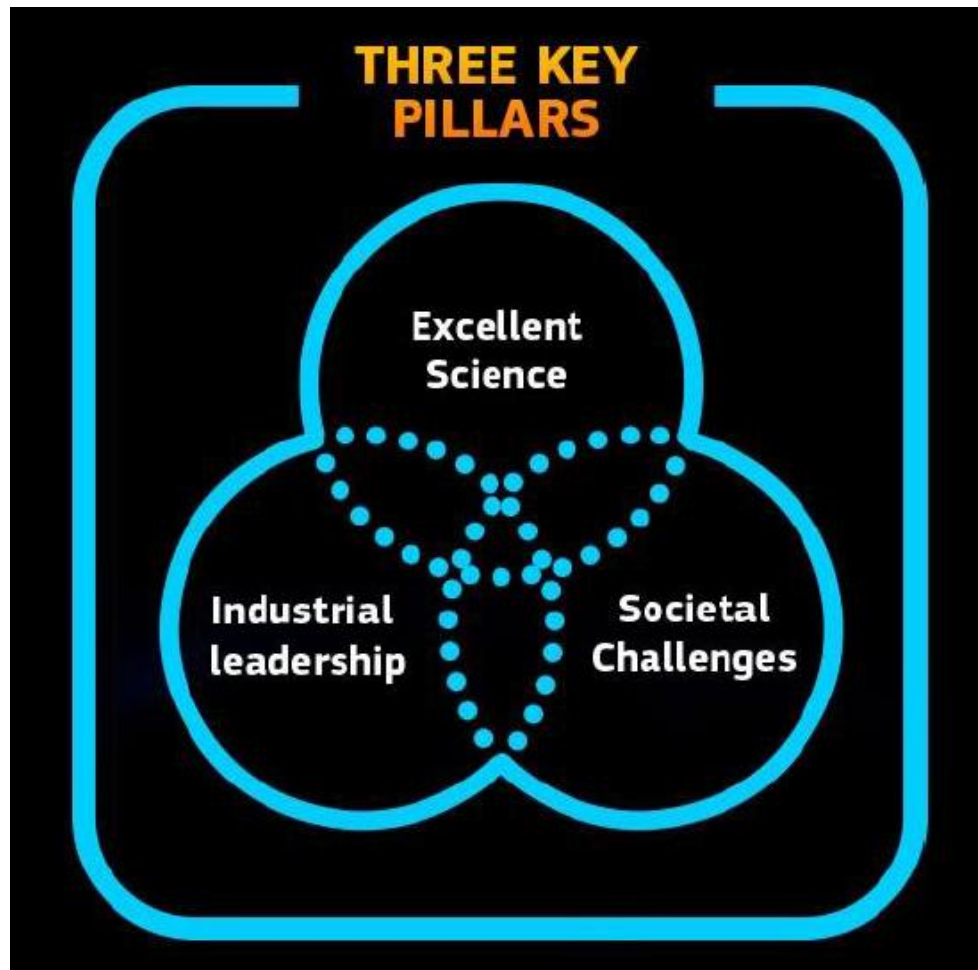
Horizon 2020 and EURAXESS definition of “Europe”

Associated Countries Full Participants in HORIZON 2020

- 28 EU Member States
- + Associated Countries = 39

- Iceland
- Norway
- Turkey
- Albania
- FYROM (Macedonia)
- Montenegro
- Moldova
- Serbia
- Bosnia Herzegovina
- Israel
- Switzerland (partial association)





HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)

約10兆円！

Industrial Leadership
EUR 17.0 billion

Societal Challenges
EUR 29.7 billion

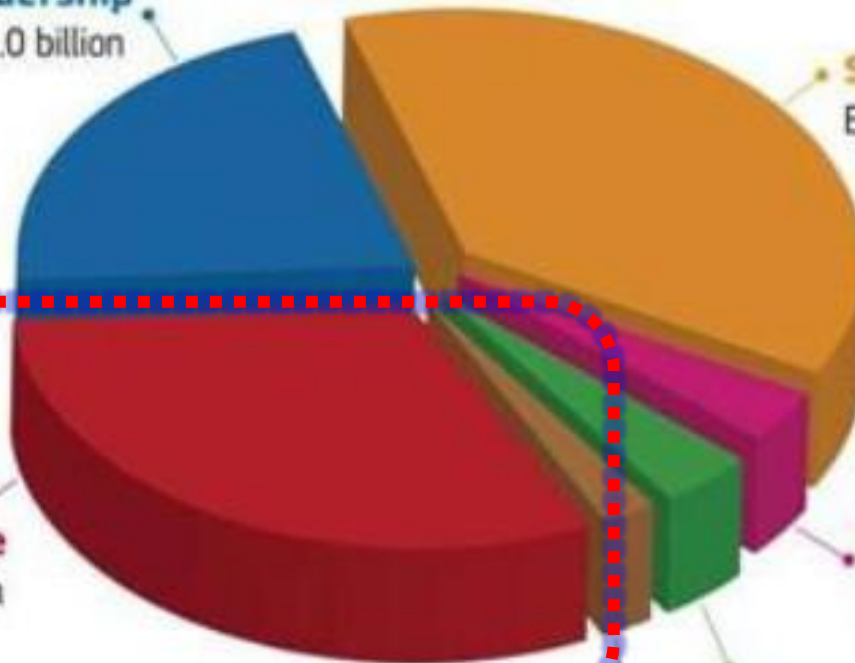
Excellent Science
EUR 24.4 billion

約3兆円！

European Institute of
Innovation and Technology
EUR 2.7 billion

Euratom
EUR 1.6 billion

Other
EUR 3.2 billion



研究者視点：私には？例えば・・・ | What's in it for me?

⊗ Horizon 2020 (H2020) benefits for students and researchers:

⊗ 奨学金 | Grants and Fellowships for student mobility to Europe

⊗ 研究者移転・リサーチステイ | Researcher mobility and short research stays

⊗ 共同研究助成金・研究費 | Funding for joint research projects or support to research fees

⊗ ネットワーク作り・維持 | Building or maintenance of researcher networks

⊗ 世界トップレベルのインフラ・施設・チーム→インパクト&キャリアアップ！ | Access in open competition process to world top level facilities, infrastructures, research teams for better impact and career-up!

私には？例えば・・・ | What's in it for me? Examples!



私には？例えば・・・ | What's in it for me? Examples!

- ⌘ **Marie Skłodowska-Curie Actions:**
Fellowship programmes for PhDs, postdocs and research stays!



私には？例えば・・・ | What's in it for me? Examples!

Marie Skłodowska-Curie Actions

PhDs

Postdocs, long research stays

Short research stays over long periods

Which action?	ITN Innovative Training Networks <i>(Host applies)</i>	IF Individual Fellowships <i>(Individuals apply)</i>	RISE Research and Innovation Staff Exchange <i>(Host applies)</i>
What does it offer?	High-quality research training delivered through international and interdisciplinary networks, industrial doctorates or joint doctorates	Opportunities to work on personal research projects by moving between countries and possibly sectors to acquire new skills	International and/or intersectoral exchanges of staff members involved in research and innovation to develop sustainable collaborative projects and transfer knowledge
Who is it for?	Networks of organisations that train researchers at doctoral level (less than four years of full-time research experience and no doctoral degree)	Postdoctoral researchers (doctoral degree or at least four years of full-time research experience)	Partnerships of organisations that undertake a joint research project supported by the exchange of their staff (researchers, technical, administrative and managerial staff)

私には？例えば・・・ | What's in it for me? Examples!

- ⌘ **European Research Council (ERC) research grants:**
Financial independence and flexibility for 5 years fundamental research projects!



私には？例えば・・・ | What's in it for me? Examples!

- European Research Council (ERC) research grants:
Financial independence and flexibility for 5 years fundamental research projects!

Starting Grants

starters
(2-7 years after PhD)
up to €2.0 M
for 5 years

Consolidator Grants

consolidators
(7-12 years after PhD)
up to €2.75 M
for 5 years

Advanced Grants

significant research
achievements in the
last 10 years
up to €3.5 M
for 5 years

Proof-of-Concept

bridging gap between research - earliest
stage of marketable innovation
up to €150,000 for ERC grant holders

私には？例えば・・・ | What's in it for me? Examples!

- ⌘ **HORIZON 2020:**
 - Research funding and cooperation opportunities with excellent teams!**
- ⌘ programme addressed to institutions (Universities, research centres....)
 - ⌘ Large scale cooperative projects
 - ⌘ Academia and Industry (SMEs)
- ⌘ Enter consortia of at least 3 European partners!
- ⌘ No automatic funding (yet) for Japanese institutions)



私には？例えば・・・ | What's in it for me? Examples!

⊗ Facilities for education, research, infrastructures!

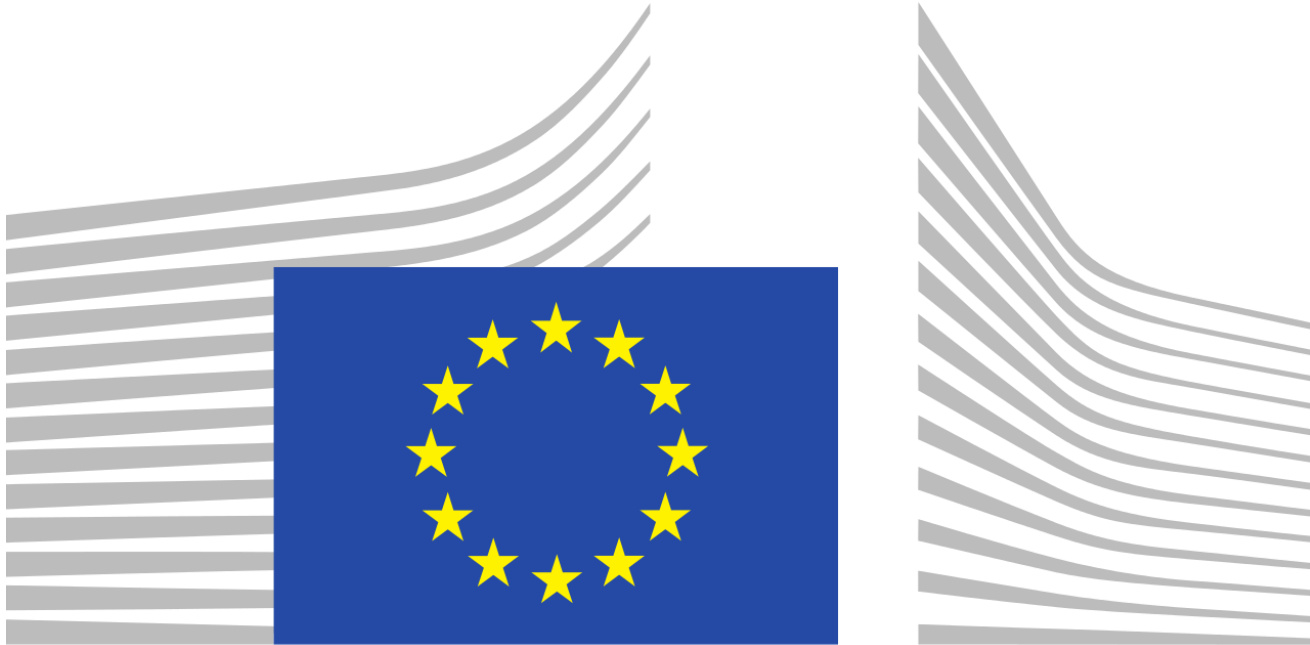


① **Why: international cooperation?**
Why: researcher mobility?
Why: Europe?

② **What: European programmes for research?**

③ **How: search & find relevant information for me?**

ユーラクセスとは？ | What is EURAXESS?



European
Commission

⊗ European Commission initiative to support researchers

ユーラクセスとは？ | What is EURAXESS?



euraxess

RESEARCHERS IN MOTION

⌘ Through international research cooperation and mobility



ユーラクセスとは？ | What is EURAXESS?



- ⌘ ジョブス: 研究者向けヨーロッパ最大の求人ポータル
Job portal for researchers: **jobs**, fellowships, funding



- ⌘ サービス: EU在住移住研究者向け相談所
Practical advice and **services** for incoming researchers



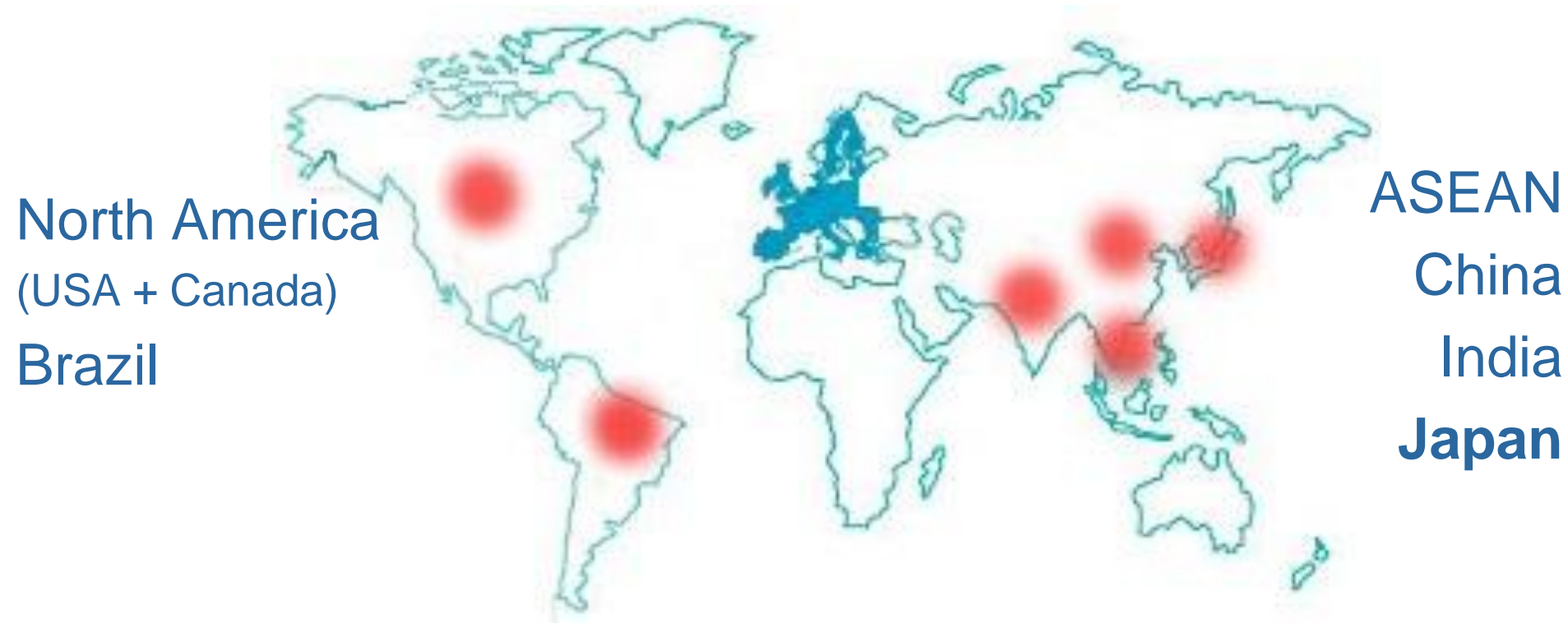
- ⌘ ライツ: EU在住研究者の作業環境向上促進
Promotion of better **rights** for researchers in ERA



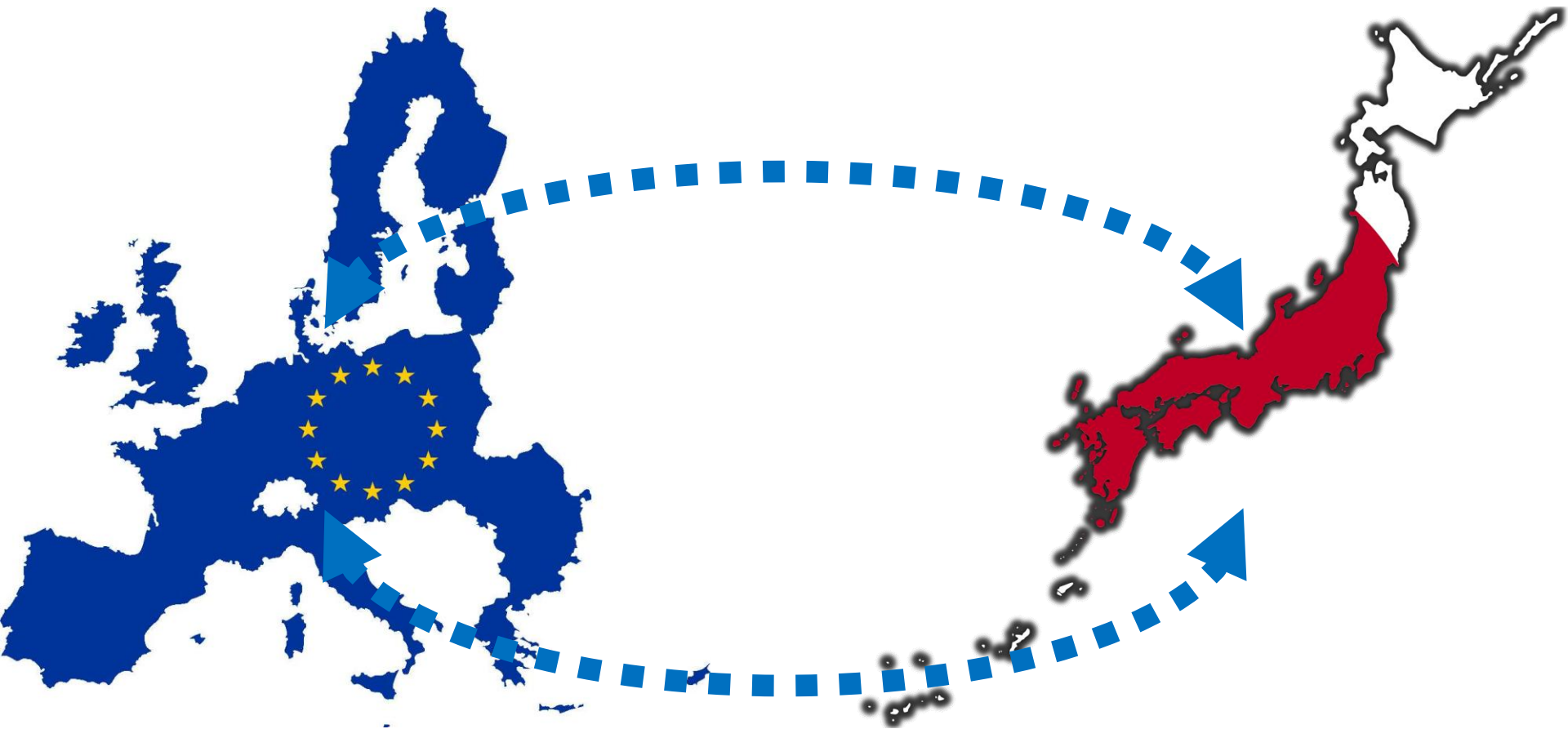
- ⌘ リンクス: ヨーロッパと世界をつなぐ
International branch: **links** Europe with regions of the world

ユーラクセス・リンクス | EURAXESS Links

Six hubs:



ユーラクセス・リンクス・ジャパン | EURAXESS Links Japan



⌘ Promote exchanges: mobility and cooperation

⌘ No brain drain!!

ユーラクセス・リンクス・ジャパン | EURAXESS Links Japan

⌘ In Japan, we provide **tailored information** on:

⌘ 研究助成事業・計画 | Calls, Grants and Fellowships: H2020 and more!

⌘ 研究者・研究支援向け求人 | Research Jobs

⌘ 科学技術ニュース | S&T Policy Developments

⌘ 共同研究プロジェクト | Joint Research Projects

⌘ セミナー・ワークショップ・イベント | Events, and more...

⌘ Of interest for **Europe – Japan research cooperation and researcher mobility**

⌘ **For free!**

私には？例えば・・・ | What's in it for me? Examples!

⊗ H2020: EU programmes... And more: 40 countries!



私には？例えば・・・ | What's in it for me? Examples!

⌘ And the other way around too!



ユーラクセス・リンクス・ジャパン | EURAXESS Links Japan

⌘ Several tools to spread information:

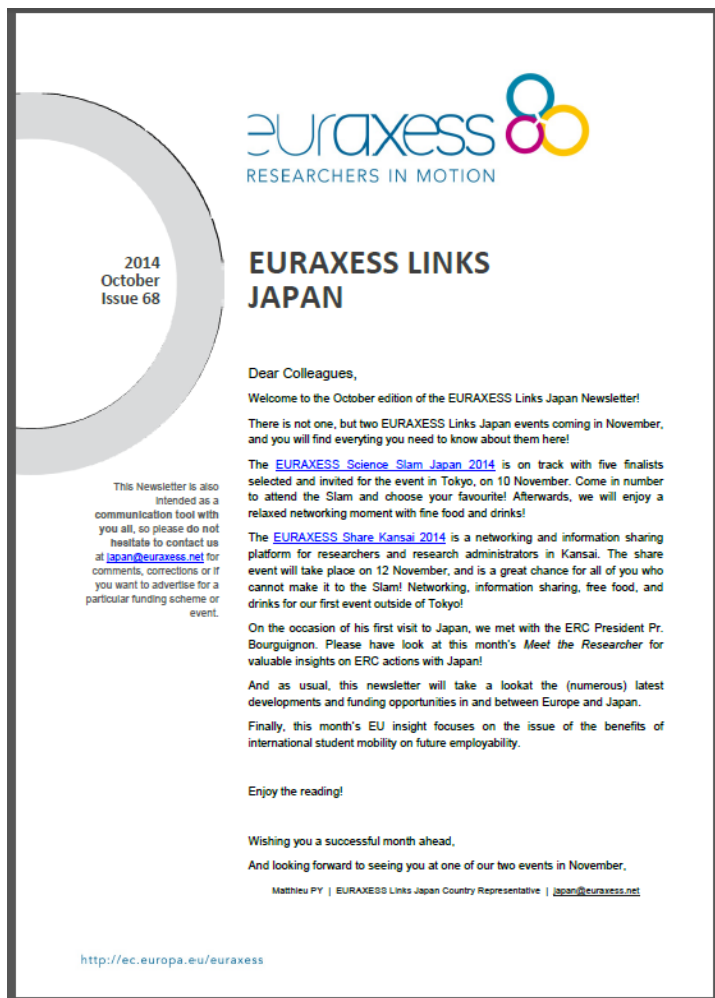


⌘ Funding Guide:

- ⌘ 研究助成事業基本情報 | Basic info
- ⌘ ヨーロッパから日本へ | From Europe to Japan
- ⌘ 日本からヨーロッパへ | From Japan to Europe
- ⌘ エントリー数300以上 | Features more than 300 Programmes
- ⌘ 日本語版もまもなく | Japanese version soon to come!

ユーラクセス・リンクス・ジャパン | EURAXESS Links Japan

☿ Several tools to spread information:



☿ Monthly newsletter:

☿ 研究助成事業最新情報 | Recent calls, funding opportunities, fellowships

☿ 科学技術ニュース | S&T Policy Developments

☿ 求人 | Jobs

☿ セミナー・ワークショップ・イベント | Events

☿ EURAXESS Links Japan activities

ユーラクセス・リンクス・ジャパン | EURAXESS Links Japan

🌀 Several tools to spread information:

🌀 Website and Social media:

🌀 詳細・追加情報 | Additional information

🌀 パートナーイベントのPR等 |
Advertisement for partner events

🌀 ユーラクセス活動情報 | Day-to-day
information on EURAXESS Links
Japan Activities

🌀 役立つリンクス | Useful links, and
more!

JOBS SERVICES RIGHTS LINKS

ASEAN Brazil China India Japan North America

EURAXESS RESEARCHERS IN MOTION science slam

Events
EURAXESS Science Slam Japan 2014 Finalists announced!!
Check our finalists, come attend, vote, enjoy free food and drinks at our networking reception!

Events
EURAXESS Science Slam Japan 2014: new website and full programme available!
This year's Slam is coming close! Participate, attend, share information about this unique event!

Events
EURAXESS Share Kansai 2014
Our first-ever networking event outside of Tokyo is set for the 12 November in Umeda, Osaka! Don't miss it!

Events
ELJ at the Science Talks round table on Japan research landscape internationalisation
EURAXESS Links Japan will participate to the round table on Japan's research landscape internationalisation.

Events
France-Japan Symposium on Regenerative Medicine & Innovative Therapies
This symposium aims to gather scientists to expose recent advances and achievements in different fields related to regenerative medicine.

Funding
Erasmus Mundus - GEM PhD School Call for Applications
The Erasmus Mundus Joint Doctoral Programme on "Globalisation, the European Union and Multilateralism" (GEM PhD School) is a transnational PhD training programme.

Jobs
Professor position in astrophysics at JAXA
The Japan Aerospace Exploration Agency (JAXA) seeks to recruit a professor at its Institute of Space and Astronautical Sciences (ISAS).

Events
Slam your way to a free trip to Europe! The 2nd EURAXESS Science Slam Japan is coming, 10 November 2014 in Tokyo!
Submissions and registration procedures for the 2nd EURAXESS Science Slam Japan NOW

News
Interview with Muggiko Komatsuda, EURAXESS Science Slam Japan 2013 Winner
We've met Muggiko Komatsuda, last year's Science Slam Winner and discussed about her perception of the event.



ユーラクセス・リンクス・ジャパン | EURAXESS Links Japan

- ⌘ In Japan, we organise 3-5 major events per year
- ⌘ We also participate actively to 15+ workshops or information sessions



The Japan Times
NEWS

NEWS OPINION LIFE COMMUNITY
NATIONAL ASIA PACIFIC BUSINESS WORLD REFERENCE COLU

NATIONAL
All-English science contest gives young researchers way to connect
BY TOMOHIRO OSAKI
STAFF WRITER

When University of Tokyo student Mugiko Komatsuda appeared on stage at a science contest in Tokyo last week, she dazzled the crowd with her self-confidence, resonant voice and radiant smile.

OCT 22, 2013
ARTICLE HISTORY
▲ DDINT ▼ CHADE

- ⌘ ネットワーキング | Networking for researchers and administrators
- ⌘ ヨーロッパ研究事業情報提供 | Information platform on European research opportunities
- ⌘ 日本で活動中研究者情報交換の場 | Information sharing for researchers active in Japan
- ⌘ 大学・研究機関にてセミナー | Information sessions at universities or research institutes



researchers and research administrators from all fields!

Japan Tour 2015

Schedule: (English - Japanese with simultaneous translation)

- + 14:00 Opening Address | Prof Hashimoto, Executive Vice President, Waseda University
- + 14:05 Importance of International Collaboration for Research impact in japan | Dr Py, EURAXESS Links Japan
- + 14:25 EU Programmes: Research Funding, Research Cooperation and Mobility - H2020, Marie Curie, ERC
| Dr Kuczynski, S&T Section, Delegation of the EU to Japan
- + 15:15 Break
- + 15:25 Support to Researchers: EURAXESS and EURAXESS Links Japan | Dr Py, EURAXESS Links Japan
- + 15:50 Support to Researchers: Horizon 2020 National Contact Point actions | Dr Matsumoto, NCP
- + 16:20 JSPS views and programmes for cooperation | TBD, JSPS, International Program Dept.
- + 16:30 Break
- + 16:40 Panel discussion: feedback, experience sharing and good practices for international cooperation
| Mod.: Prof Kobayashi | Prof Takanishi, Prof Miyajima (Waseda U), TBD JSPS, Dr Kuczynski, Dr Matsumoto
- + 18:00 Closing remarks | Prof Kanomata, Deputy Dean, International Affairs, Waseda University
- + 18:05 Networking reception

ユーラクセス・リンクス・ジャパン | EURAXESS Links Japan

**ARE YOU READY FOR THE
EURAXESS Science Slam Japan 2015?**

Science communication contest for
graduate students and researchers of all
disciplines, all nationalities!

LIVE FINALS!
23 October 2015
Tokyo Metropolitan Univ.

How to enter the contest?

- Read the terms and conditions on our website.
- Create a 3-minute video of your presentation.
- Send it to us at japan@euraxess.net
- Wait until the end of the selection process.
- If you're selected, we cover your trip to the finals!

Winner gets a trip to Europe!

Organisation:
EURAXESS Links Japan
Host:
Tokyo Metropolitan University

More information at:
scienceslamjapan2015.splashthat.com

Share information with your colleagues!

ユーラクセス・リンクス・ジャパン | EURAXESS Links Japan

Call for abstracts to the European researchers active in Japan

Present your research, provide insight on your grant/employment situation,
discuss of your future career, learn from others, connect and exchange!

European Research[ers'] Day

Submit to: japan@euraxess.net

Call deadline: 2 October 2015

Event: 11 Dec.2015, Tokyo



Delegation of the
European Union to Japan



Summary: EURAXESS for me is...?

- ⌘ **Need & mutual interest for cooperation and mobility**
- ⌘ **EURAXESS: whole range of services**
 - ⌘ **Job seeking in Europe**
 - ⌘ **Recruitment of high profile European researchers to Japanese teams**
 - ⌘ **Services (practical helpdesk) for long-term mobility projects**
- ⌘ **EURAXESS Links Japan:**
 - ⌘ **Information source on Europe-Japan mobility and cooperation opportunities**
 - ⌘ **Network of researchers with experience in Europe / Japan**
 - ⌘ **Advertisement possibility: jobs, programmes, events**



御清聴ありがとうございました

Contact - Registration

Mail: japan@euraxess.net

Web: japan.euraxess.org

Registration: goo.gl/056bim or **fill-in form!**

RSS and social media too!

